

Glossary

OXYGEN CONCENTRATORS

Oxygen concentrators are electronically operated devices that separate oxygen from ambient air to provide an enriched oxygen mixture to the patient. Oxygen therapy is the administration of oxygen at concentrations greater than that in ambient air with the intent of treating or preventing the symptoms and manifestations of hypoxia.¹

TYPES OF OXYGEN CONCENTRATORS

Stationary

- Appropriate for more sedentary residents
- Large equipment, not as easy to move around
- Higher LPM flow rates
- AC or DC powered

Portable

- Appropriate for more active residents
- Light, portable
- Lower LPM flow rates
- Battery, AC, or DC power options for resident convenience

FLOW RATES

Pertains to the amount of oxygen provided for the patient's prescribed requirements. Flow rates are measured by delivered liters per minute (LPM).

OXYGEN PURITY

Purity has to do with the concentration or amount of oxygen in the air as opposed to other gases. With concentrators, high purity is generally considered to be 90-99%.

OXYGEN PRESSURE

Concentrators can produce oxygen continuously or on demand.

Continuous Flow

Concentrator produces oxygen continuously whether the user is breathing (inhaling) or not. All home/stationary concentrators provide a continuous flow of oxygen.

On-Demand

Sometimes called pulse or pulse flow, means that the concentrator produces oxygen only when it is triggered by the user's inhalation (breathing in).

SOUND LEVEL

Most concentrators produce a low hum that can be measured in decibels not much louder than a refrigerator when it starts and much quieter than the average dishwasher. Usually considered a lesser factor in the concentrator selection process.

Questions to Determine the Best Fit for the Resident

- What has the resident's physician prescribed as the appropriate liter flow rate for his or her condition?
- Does the resident stay home most of the time, or is he or she always on the go?
- When the resident does go out, is it for short periods of time or for several hours?





See our full-line Catalog V65, pages 1829-1841, and our Healthcare Catalog V10, pages 105-117, for our complete selection of respiratory equipment and repair products.



¹ American College of Chest Physicians, National Heart, Lung and Blood Institute. National Conference on Oxygen Therapy. Chest 1984; 86: 234-247.



BRAND	 Yes, you can.®
PRODUCT NAME	PerfectO ₂ V Oxygen Concentrator
TYPE	Stationary
FLOW RATE	1/2 To 5 LPM
O ₂ PURITY %	87% To 95.6%
O ₂ PRESSURE	5 PSI
POWER CONSUMPTION	325W
SOUND LEVEL	43 dB
DIMENSIONS	23H x 13W x 11-1/2"D
WEIGHT	39 Lbs
WARRANTY	3-Year Limited
SPECIAL FEATURES	Includes SensO ₂ oxygen monitor; 25,000-hour rated compressor life
FREE DELIVERY	Yes, Next-Day
PART #	603976

BRAND	 Yes, you can.®	
PRODUCT NAME	Platinum 10 Oxygen Concentrator	Platinum 10 Oxygen Concentrator with SensO ₂
TYPE	Stationary	Stationary
FLOW RATE	2 To 10 LPM	2 To 10 LPM
O ₂ PURITY %	87% To 84%	87% To 84%
O ₂ PRESSURE	9 ± 0.5 PSI	9 ± 0.5 PSI
POWER CONSUMPTION	585W	585W
SOUND LEVEL	58 dB	58 dB
DIMENSIONS	26-3/8H x 18-3/8W x 14-3/8"D	26-3/8H x 18-3/8W x 14-3/8"D
WEIGHT	54 Lbs	54 Lbs
WARRANTY	3-Year Limited	3-Year Limited
SPECIAL FEATURES	10 LPM flow rate for high-flow residents; 35 PSI pressure-relief valve	Includes SensO ₂ oxygen monitor; 10 LPM flow rate for high-flow residents; 35 PSI pressure-relief valve
FREE DELIVERY	Yes, Next-Day	Yes, Next-Day
PART #	600191	600192

HD Supply also carries a wide selection of concentrator and suction repair items, including tubing, filters, and more, that offer compatibility with industry-leading brands such as Invacare, AirSep, Resprionics, DeVilbiss, Puritan Bennett, Precision Medical, and Schuco. Visit hdsupplysolutions.com and search **respiratory care** to see our full offering.